

Title (en)

OPTICAL DEVICE

Title (de)

OPTISCHE VORRICHTUNG

Title (fr)

DISPOSITIF OPTIQUE

Publication

EP 3765876 A1 20210120 (EN)

Application

EP 19709555 A 20190306

Priority

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Abstract (en)

[origin: WO2019175546A1] An optical device (10) comprises an objective lens (11) defining a focal plane FP and an eyepiece (12) spaced apart therefrom, defining an optical axis OA therethrough. The optical device (10) comprises an optical member (13) having a first planar face (14), arranged on the optical axis OA proximal the focal plane FP, wherein the first planar face (14) is arranged to oppose the objective lens (11). The optical device (10) comprises a filter assembly (100) comprising a first notch filter (101) arranged to attenuate transmission of electromagnetic radiation having a first wavelength λ_1 wherein the first notch filter (101) is arranged in front of the optical member (13). The first notch filter 101 is arranged at a first oblique angle θ_1 to the optical axis OA whereby, in use, incident electromagnetic radiation having a predetermined wavelength λ_1 propagating along the optical axis is reflected by the first notch filter (101) away therefrom, wherein the first wavelength λ_1 and the predetermined wavelength λ_1 are different. In this way, retro-reflection of the incident electromagnetic radiation towards a source thereof is reduced, thereby better detection of the optical device (10).

IPC 8 full level

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CPC (source: EP US)

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